

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An ~~[[Ozone]]~~ ozone generator, comprising
a dielectric member having first and second faces;
a first electrode provided on the first face of said dielectric member, wherein the first electrode is in contact with the first face of the dielectric member;
a second electrode provided on the second face of said dielectric member, wherein the second electrode is in contact with the second face of the dielectric member; wherein and wherein the first electrode is made of an electrically conductive material, having a first and a second face, and wherein the first face of the first electrode and the first face of the dielectric member are structured so as to define at least one channel between them, said channel(s) extending in a defined pattern between said dielectric member and said first electrode.
2. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 1, wherein said first electrode has at least one elongated recess in ~~[[its]]~~ said first face of said first electrode, said first face of said first electrode being in contact with said first face of said dielectric member, such that said ~~recesse(s)~~ recess(es) and said dielectric member define channels in cooperation.
3. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 1, wherein said dielectric member has at least one elongated recess in ~~[[its]]~~ said first face of said dielectric member, said first face of said dielectric member being in contact with said first face of said first electrode, such that said ~~recesse(s)~~ recess(es) and said first electrode define channels in cooperation.
4. (Canceled)
5. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in any preceding claim, wherein the second electrode is a conductive plate or foil placed in contact with the ~~dielectric member~~ second face of the dielectric member.
6. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 1, wherein the second electrode is a coating provided on the dielectric member second face.
7. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 1, wherein the metal for the electrodes ~~is selected from one or more of the members in the group consisting~~ comprises at least one of iron, steel, tungsten, titanium, or alloys thereof.

8. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 1, wherein the first electrode ~~is comprised of~~ comprises a corrugated or pleated conductive plate.

9. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 1, wherein said recesses extend across ~~[[the]]~~ a surface at a finite spacing between them.

10. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 1, wherein said recesses have a cross section geometry that provides sites for corona discharge to occur~~[[,]]~~ when a AC high voltage is applied to said ~~[[electrode]]~~ electrodes.

11. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 10, wherein said corona discharge sites ~~comprises~~ comprise a sharp ridge.

12. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 11, wherein said sharp ridge is provided by shaping the recess geometry as two overlapping semi-circles, the intersection of which generates said ridge, which extends in the longitudinal direction of the recess.

13. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 10, wherein said corona discharge sites ~~comprises~~ comprise a rounded off corner in the vicinity of the surface of said ~~base plate first electrode~~, providing a nook between the ~~channel wall and the base plate dielectric member and the first electrode~~.

14. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 1, comprising a second dielectric member contacting the second face of said first electrode, and wherein said first electrode comprises at least one recess in both the first and the second face thereof, said second dielectric member comprising a third electrode provided on that face of the second dielectric member that is not in contact with said second face of said first electrode.

15. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 1, wherein said dielectric member(s) and said electrodes are essentially flat.

16. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 1, wherein said dielectric member(s) and said electrodes are tubular.

17. (Currently Amended) An ~~[[Ozone]]~~ ozone generator as claimed in claim 1, wherein said dielectric member(s) and said electrodes are arcuate, arched, curved or bent.

18. (Currently Amended) An ~~[[Ozone]]~~ ozone generator, comprising
a flat dielectric plate having first and second faces;
a first electrode provided on the first face of said dielectric plate, wherein the first
electrode is in contact with the first face of the dielectric plate;
a second electrode provided on the second face of said dielectric plate, wherein the
second electrode is in contact with the second face of the dielectric plate;
connectors for coupling said electrodes to a voltage source; and
wherein the first electrode ~~is an electrically conductive plate, having a first and a~~
~~second face, and having~~ has at least one elongated recess in said first face, ~~said first face being in~~
~~contact with said first face of said dielectric plate;~~ such that said ~~[[recesse(s)]]~~ recess(es) and said
dielectric plate define channels in cooperation with said dielectric plate.